Title (en)

CD4-DERIVED PEPTIDES THAT INHIBIT IMMUNE RESPONSES

Title (de)

CD4-DERIVIERTE PEPTIDE DIE EINEN IMMUNRESPONS INHIBIEREN

Title (fr)

PEPTIDES DERIVES DE CD4 INHIBANT LA REPONSE IMMUNITAIRE

Publication

EP 0835125 A4 20000308 (EN)

Application

EP 96923591 A 19960628

Priority

- US 9611176 W 19960628
- US 71095 P 19950629
- US 403495 P 19950920

Abstract (en)

[origin: WO9701350A1] The application concerns a method of identifying compounds that can be used to inhibit undesired human CD4+ T cell immune responses by identifying compounds that block the interaction of CD4 and MHC, class II, gene products and a method of treatment which comprises administering such an identified compound. The compounds that inhibit undesired human CD4+ T cell immune responses can be used to treat disease such as multiple sclerosis and to prevent graft rejection and graft versus host disease. More specifically, the application concerns compounds having molecular weights between about 1400 and 400 that mimic three portions of the human CD4 lymphocyte cell surface antigen. The portions are residues 29-35, the C-C' loop of the D1 domain; residues 317-323, the C-C' loop of the D4 domain; and residues 346-353, the CDR3 or FG ridge of the D4 domain of the CD4 molecule. Specific examples of such compounds include cyclic peptides and peptidomimetic.

IPC 1-7

A61K 38/12; A61K 39/00; C07K 5/00; C07K 7/00; C07K 16/00; C07K 17/00

IPC 8 full level

C07D 255/02 (2006.01); **A61K 31/00** (2006.01); **A61K 31/395** (2006.01); **A61K 38/00** (2006.01); **A61P 25/00** (2006.01); **A61P 37/00** (2006.01); **A61P 37/06** (2006.01); **C07K 7/06** (2006.01); **C07K 14/73** (2006.01)

CPC (source: EP)

A61P 25/00 (2017.12); **A61P 37/00** (2017.12); **A61P 37/06** (2017.12); **C07K 14/70514** (2013.01); A61K 38/00 (2013.01)

Citation (search report)

- [PX] WO 9534312 A1 19951221 - UNIV PENNSYLVANIA [US], et al
- [A] WO 9411014 A1 19940526 - UNIV JEFFERSON [US]
- See references of WO 9701350A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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